Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	31	((inverse permutation) or ("IP.sup.-1")) same DES	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/02/09 08:32
L2	0	("IP.sup.-1")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/02/09 08:32
L3	0	("IP.sup.(-1)")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/02/09 08:32
L4	0	("(IP).sup.(-1)")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/02/09 08:32
L5	31	((inverse permutation) or ("IP.sup.-1")) same ("data encryption standard" or DES)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/02/09 08:33
L6	13	((inverse permutation) or ("IP.sup.-1"))and ("data encryption standard" or DES).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/02/09 08:33
L7	13	((inverse permutation) or ("IP.sup.-1"))and ("data encryption standard" or "DES").ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/02/09 08:33
S2	7	(Des with "key scheduling") and @ad < "20001213"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/22 16:32
S3	11	"661843"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/20 15:48

S4	87	sboxes	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/20 16:49
S5	4	((sboxes with (chang$3 with bit))) and @ad < "20001213"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/20 17:26
S6	18	((des with permutation) and (des with expansion)) and @ad < "20001213"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 09:08
S7	100	3-to-1 adj multiplexers	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 09:14
S8	530	2-to-1 adj multiplexers	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 09:21
S9	401	(2-to-1 adj multiplexers) and @ad < "20001213"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/22 14:08
S10	397	(2-to-1 adj multiplexers) and @ad < "20001013"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 09:15
S11	93	((2-to-1 adj multiplexers) and @ad < "20001013") and "DES"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 09:18
S12	8	((2-to-1 adj multiplexers) with "clock cycle")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 09:21
S13	3	(((2-to-1 adj multiplexers) with "clock cycle")) and @ad < "20001213"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 13:02

S14	235	380/42.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 13:03
S15	184	380/42.ccls. and @ad < "20001213"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 13:16
S16	0	(380/42.ccls. and @ad < "20001213") and ("expansion logic")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 13:25
S17	20	(380/42.ccls. and @ad < "20001213") and (expansion)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 13:28
S18	1	(380/42.ccls. and @ad < "20001213") and (expansion with "size")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 13:32
S19	5	(380/42.ccls. and @ad < "20001213") and (expansion with bit)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 14:13
S20	188	"expansion logic"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 15:35
S21	4	"expansion logic" with (coupled with multiplex$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 15:36
S22	8	"expansion logic" with (multiplex$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 15:55
S23	3	"inverse permutation logic" with (multiplex$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 15:56

S24	6	"inverse permutation" with (multiplex$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 15:59
S25	8	"expansion logic" with multiplex$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 16:42
S26	243	(AES and permutation) and @ad < "20001213"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 17:17
S27	11	AES with permutation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 16:46
S28	6	"Advanced encryption standard" with permutation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 16:48
S29	21	("data encryption standard" with permutation) and @ad < "20001213"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 17:15
S30	1480	(((high adj2 performance) or (high adj2 speed)) with DES) and @ad < "20001213"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 17:26
S31	3	((((high adj2 performance) or (high adj2 speed)) with DES) and @ad < "20001213") and 380/42. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 17:22
S32	4	"expansion logic" with (coupled with multiplexer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 17:23
S33	2	"expansion logic" with (coupled near multiplexer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 17:25

S34	4	"expansion logic" near5 (coupled near3 multiplexer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 17:25
S35	8	"expansion logic" with (multiplexer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 17:25
S36	2	("expansion logic" with (multiplexer)) and @ad < "20001213"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/21 17:26
S37	7	"permutation logic" with "expansion logic"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/22 10:17
S38	114	"permutation" with "expansion"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/22 10:17
S39	53	("permutation" with "expansion") and @ad < "20001213"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/22 14:07
S40	530	"2-to-1 multiplexer" with "2-to-1 multiplexer"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/22 14:08
S41	401	("2-to-1 multiplexer" with "2-to-1 multiplexer") and @ad < "20001213"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/22 16:29
S42	6	("Data encryption standard" same (determination and shift and propagation and consumption))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/23 11:13
S58	3077	(multiplexer or mux) with (two near2 output$) and @ad <= "20001213"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/22 14:29

S59	1	(multiplexer or mux) with (two near2 output$) and 380/42.ccls. and @ad <= "20001213"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/22 14:32
S60	149	(multiplexer or mux) with (two near2 output$) with stor$3 and @ad <= "20001213"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/22 15:35
S61	101	("4979832" "5231662" "5375169" "5787173" "6341299" "5778069" "5751811" "5365588" "6128387" "6167516" "5001753" "5425103" "5619576" "5781458" "6014445" "6278780" "6760440" "5317638" "6192129" "6075865" "6266417" "5297207" "6097815" "5204901" "5511123" "6237015" "4314097" "4932056" "5289397" "5727062" "5734721" "5793659" "6128764" "4275265" "5825886" "6125182" "6199086" "6269164" "6278783" "6505299" "6578061" "6785389" "6859818" "5619575" "5649014" "6028939" "4481513" "6829742" "4377863" "4394642").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/22 15:36
S62	0	S61 and ("2.to.2")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/22 15:36
S63	0	S61 and ("2-to-2")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/22 15:36
S64	0	S61 and ("3-to-2")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/22 15:37
S65	0	S61 and ("three-to-two")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/22 15:37
S66	0	S61 and ("two-to-two")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/22 15:37

S67	0	S61 and ("two-to-one")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/22 15:37
S68	0	S61 and ("three-to-one")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/22 15:37
S69	0	S61 and ("three to one")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/22 15:37
S70	0	S61 and ("three to two")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/22 15:37
S71	15	S61 and ("multiplexer")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/23 13:17
S72	240	380/42.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/23 13:17
S73	187	380/42.ccls. and @ad < "20001213"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/23 13:17
S74	28	380/42.ccls. and (multiplexer or mux) and @ad < "20001213"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/23 13:25
S75	53	(encryptor or encrypt$3 or des or aes or "shift register" or scrambl$3) with ((multiplexer or mux) near3 ((two or multiple or three) near2 output)) and @ad < "20001213"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/23 13:28
S76	2	"6320964".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/08/15 10:30

S77	16	("20010011251" "20020106078" "20020106080" "5469547" "5661807" "5671284" "6578150" "6760439").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 10:31
S78	7	S77 and inverse	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 10:40
S80	0	ep-5592553-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 10:41
S81	23	"5592553"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 10:57
S84	280	inverse near2 permutation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 10:58
S89	3	("x$1or$3" or combin$3 or "x$5or$5") near2 (inverse near2 permutation)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 11:01
S90	7	("x$1or$3" or combin$3 or "x$5or$5") near5 (inverse near2 permutation)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 11:15
S91	9	("x$1or$3" or combin$3 or "x$5or$5" or "exclusive OR") near5 (inverse near2 permutation)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 05:52
S92	0	"xoring $((P^{(-1)})(L))$"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/08/16 05:52
S93	0	"xor $((P^{(-1)})(L))$"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/08/16 05:52

S94	15	("x$1or$3" or "x$5or$5" or "exclusive OR" or "exclusive oring") same (inverse near2 permutation)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 05:53
S95	218	inverse permutation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/02/08 14:01
S96	218	(inverse permutation) or (IP)top(S95)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/02/08 14:09
S10 1	31	(inverse permutation) same DES	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/02/09 08:30